

JavaScript - For Loop

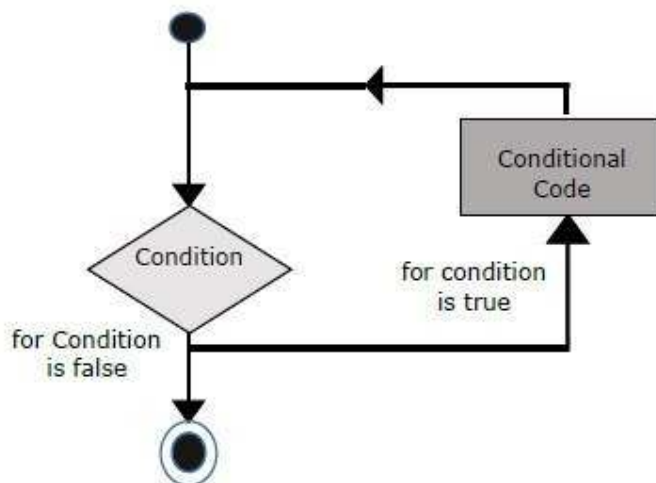
The **for** loop is the most compact form of looping. It includes the following three important parts –

- The **loop initialization** where we initialize our counter to a starting value. The initialization statement is executed before the loop begins.
- The **test statement** which will test if a given condition is true or not. If the condition is true, then the code given inside the loop will be executed, otherwise the control will come out of the loop.
- The **iteration statement** where you can increase or decrease your counter.

You can put all the three parts in a single line separated by semicolons.

Flow Chart

The flow chart of a **for** loop in JavaScript would be as follows –



Syntax

The syntax of **for** loop in JavaScript is as follows –

```
for (initialization; test condition; iteration statement) {  
    Statement(s) to be executed if test condition is true  
}
```

Example

Try the following example to learn how a **for** loop works in JavaScript.

```
<html>  
<body>  
  <script type = "text/javascript">  
    <!--  
    var count;
```

```
document.write("Starting Loop" + "<br />");

for(count = 0; count < 10; count++) {
    document.write("Current Count : " + count );
    document.write("<br />");
}
document.write("Loop stopped!");
//-->
</script>
<p>Set the variable to different value and then try...</p>
</body>
</html>
```

Output

Starting Loop
Current Count : 0
Current Count : 1
Current Count : 2
Current Count : 3
Current Count : 4
Current Count : 5
Current Count : 6
Current Count : 7
Current Count : 8
Current Count : 9
Loop stopped!
Set the variable to different value and then try...